

GENERAL INFORMATION AND PRODUCT INFORMATION

LUKAS high-quality technical brushes

FILAMENT QUALITY

High quality steel wire

We use high-quality steel wire with high tensile strength, which ensures an exceptionally long and economical tool life.

Stainless steel wire

This wire is used where residues from normal steel wire would impair surfaces such as stainless steel, aluminium and other non-ferrous metals.

Abrasive impregnated nylon filaments

Abrasive impregnated nylon filaments are very flexible and optimally follow the contour of the workpiece without being too aggressive. During use, new abrasive grains are constantly exposed, thus achieving a consistent performance and long tool life.

TYPES

We supply brushes in both wire qualities with crimped or twist-knotted filaments. Compared to crimped types, brushes with twist-knotted steel wire generally offer a longer tool life and more rugged abrasive performance and are thus suited for extreme requirements. We also supply brushes in high quality crimped steel wire embedded in a resin bond, thus enhancing their performance. These brushes are ideally suited for achieving uniform surfaces and precise edges.

APPLICATIONS

A wide range of jobs can be performed with steel wire brushes. Here are just a few examples: deburring, descaling, derusting, surface cleaning, roughening and paint stripping. Brushes with abrasive impregnated nylon filaments are perfect for removing stains on metal surfaces, graining soft wood, car body repair jobs, stripping off paint residues etc.

WORKING MODE AND POWER TOOLS

Technical brushes are flexible tools that follow the contours of the workpiece. In order to achieve best results, only the tip of the filament should be in contact with the workpiece. Elasticity of the brush depends on the exposed length of the filaments, and in the case of steel wire brushes, on the wire thickness. Brushes with very long filaments are very flexible and should only be used with low pressure. Excessive pressure reduces the life of the brush and results in premature wearing. Technical brushes can be used on stationary and handheld power tools.

OPERATING SPEEDS

Steel wire brushes have a harder effect at higher speeds and a softer effect at low speeds. We recommend the following operating speeds for crimped types to achieve the desired results:

- Machining steel: approx. 30 m/s
- Machining non-ferrous metals: approx. 18 – 20 m/s
- Machining plastic: approx. 15 m/s

Higher operating speeds can be selected for twist knotted types e.g.:

- Machining steel: approx. 40 m/s

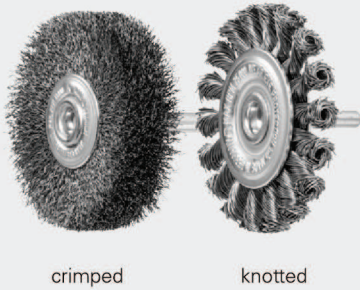
Brushes made from nylon filaments achieve best results at operating speeds of 18 to 22 m/s, depending on the material to be machined.

SAFETY ADVICE

Technical brushes are manufactured according to a rigorous quality control (according to EN 1083-2). However, it is always advisable to wear safety clothing when working with technical brushes.

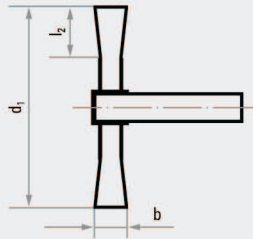


BS wheel brush with shank



crimped

knotted



- follow the contours of every workpiece thanks to their flexibility
- for deburring, descaling, derusting, surface cleaning, roughening and paint stripping
- made of high-quality steel wire with high tensile strength
- "Stainless" quality is used where residues from normal steel wire would impair surfaces such as stainless steel, aluminium and other non-ferrous metals.
- perfect dimensional stability: fits optimally into power tools
- shank diameter: 6 mm

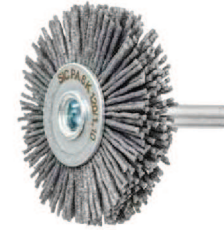
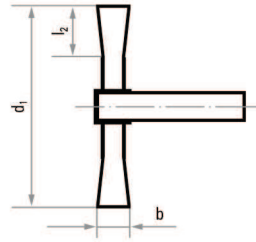
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Product number	Description	Material	Type	d ₁ mm	b mm	l ₂ mm	Wire Ø mm	n _{max} rpm	Pack contains
A35010401011	BSSW 04010	steel	crimped	40	10	9	0.2	18,000	10
A350005026	BSSW 05010	steel	crimped	50	10	12	0.2	15,000	10
A350105014111	BSSW 05014	steel	crimped	50	14	12	0.2	15,000	10
A350006036	BSSW 06018	steel	crimped	60	16	12	0.2	15,000	10
A350106018113	BSSW 06018	steel	crimped	60	19	17	0.3	15,000	10
A350007036	BSSW 07018	steel	crimped	70	16	19	0.2	15,000	10
A350107018113	BSSW 07018	steel	crimped	70	16	19	0.3	15,000	10
A350107508135	BSSZ 07508	steel	knotted	75	12	15	0.5	25,000	10
Recommended for: ● Steel ● Cast material ● Plastic/Wood									
A350107508235	BSVZ 07508	stainless	knotted	75	12	15	0.5	25,000	10
A351004036	BSVW 04011	stainless	crimped	40	11	9	0.2	18,000	10
A350105014211	BSVW 05014	stainless	crimped	50	14	12	0.2	15,000	10
A351006036	BSVW 06018	stainless	crimped	60	16	17	0.2	15,000	10
A350107018213	BSVW 07018	stainless	crimped	70	16	19	0.3	15,000	10
A351007036	BSVW 07018	stainless	crimped	70	16	19	0.2	15,000	10
Recommended for: ● Inox/Steel ● Steel ● Titanium									



BSN wheel brush

- highly flexible tool with abrasive impregnated nylon filaments
- exactly follows the contours of your workpiece
- moderately aggressive action on surfaces
- achieves an even abrasive performance and long tool life
- shank diameter: 6 mm



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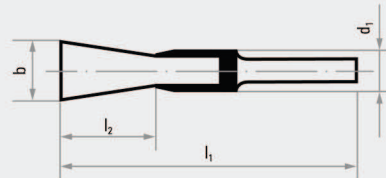
Product number	Description	Type	d ₁ mm	b mm	l ₂ mm	n _{max} rpm	Pack contains
A350105010048	BSNG 05010	coarse	50	10	12	15,000	10
A350105010049	BSNF 05010	fine	50	10	12	15,000	10
A350107012048	BSNG 07012	coarse	70	12	20	15,000	10
A350107012049	BSNF 07012	fine	70	12	20	15,000	10
A350110007048	BSNG 10007	coarse	100	8	22	4,500	10
A350110008050	BSNF 10008	fine	100	8	22	4,500	10

Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Titanium ● Plastic/Wood



BP end brush

- flexibly withstands the toughest challenges
- for deburring, descaling, derusting, surface cleaning, roughening and paint stripping
- made of high-quality steel wire with high tensile strength
- "Stainless" quality is used where residues from normal steel wire would impair surfaces such as stainless steel, aluminium and other non-ferrous metals.
- shank diameter: 6 mm



crimped



knotted

★★☆

Product number	Description	Material	Type	d ₁ mm	b mm	l ₂ mm	l ₁ mm	Wire Ø mm	n _{max} rpm	Pack contains
A350101006	BPSW 01020	steel	crimped	10	10	20	60	0.3	20,000	10
A350101506	BPSW 01725	steel	crimped	16	17	22	65	0.3	20,000	10
A350502029134	BPSZ 02029	steel	knotted	19	20	28	72	0.35	20,000	10
A350102206	BPSW 02525	steel	crimped	22	25	25	68	0.3	18,000	10
A350502329134	BPSZ 02329	steel	knotted	22	23	28	72	0.35	20,000	10
A350102806	BPSW 03025	steel	crimped	29	30	25	68	0.3	18,000	10

Recommended for: ● Steel ● Cast material ● Plastic/Wood

A351101006	BPVW 01020	stainless	crimped	10	10	20	60	0.3	20,000	10
A351101506	BPVW 01725	stainless	crimped	16	17	22	65	0.3	20,000	10
A350502029232	BPVZ 02029	stainless	knotted	19	20	28	72	0.25	20,000	10
A351102206	BPVW 02525	stainless	crimped	22	25	25	68	0.3	18,000	10
A351102806	BPVW 03025	stainless	crimped	29	30	25	68	0.3	18,000	10

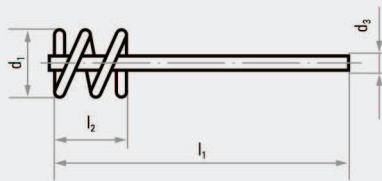
Recommended for: ● Inox/Steel ● Steel ● Titanium

EASILY DEBURR EVEN SMALL BORES

LUKAS PIPE BRUSHES WITH STEEL WIRE OR NYLON FILAMENTS



RBSD pipe brush



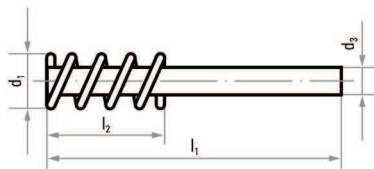
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- brush with steel wire filaments
- deburring of bores, cross-holes and O-ring grooves
- polishing and cleaning of nozzles, small and threaded bores

Product number	Description	Material	Type	d ₁ mm	l ₂ mm	d ₃ mm	l ₁ mm	Wire Ø mm	n _{max} rpm	Pack contains
A359901025	RBSD 1025	steel	crimped	10	25	3.8	90	0.12	2,000	10
A359901325	RBSD 1325	steel	crimped	13	25	3.8	90	0.12	2,000	10
A359901625	RBSD 1625	steel	crimped	16	25	3.8	90	0.12	2,000	10
A359902525	RBSD 2525	steel	crimped	25	25	3.8	90	0.2	2,000	10

Recommended for: ● Steel ● Cast material ● Plastic/Wood

RBSN pipe brush



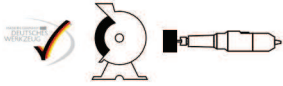
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- brush with abrasive nylon and silicon carbide filaments
- deburring of bores, cross-holes and O-ring grooves
- polishing and cleaning of nozzles, small and threaded bores

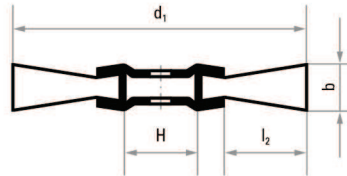
Product number	Description	Material	d ₁ mm	l ₂ mm	d ₃ mm	l ₁ mm	Wire Ø mm	n _{max} rpm	Pack contains
A359901065120	RBSN 1065	C 120	10	65	3.7	125	0.6	2,000	10
A359901365120	RBSN 1365	C 120	13	65	3.7	125	0.6	2,000	10
A359901665120	RBSN 1665	C 120	16	65	5.2	125	0.6	2,000	10
A359902565120	RBSN 2565	C 120	25	65	5.5	125	0.6	2,000	10

Recommended for: ● Inox/Steel ● Steel ● Aluminium ● Titanium ● Plastic/Wood

BR wheel brush, crimped



All crimped wheel brushes are supplied with adapter sets for mounting on all standard grinding machines.



The following bores can be accommodated:

- brushes with a bore diameter of H 40 mm: 40 mm, 32 mm, 1", 22.23 mm, 20 mm, 16 mm, 1/2"
- brushes with a bore diameter of H 50 mm: 50 mm, 32 mm, 1", 22.23 mm, 20 mm, 16 mm, 1/2"

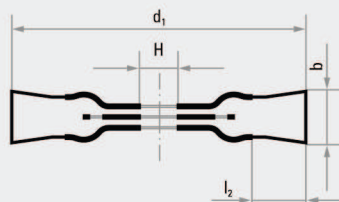
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Product number	Description	Material	Type	d ₁ mm	b mm	H mm	l ₂ mm	Wire Ø mm	n _{max} rpm	Pack contains
A350315022114	BRSW 15022	steel	crimped	150	22	40	33	0.35	6,000	1
A350320024114	BRSW 20024	steel	crimped	200	24	50	48	0.35	6,000	1
Recommended for: ● Steel ● Cast material										
A350315023213	BRVW 15023	stainless	crimped	150	23	50	33	0.3	6,000	1
Recommended for: ● Inox/Steel ● Steel ● Titanium										

BR wheel brush, knotted



- designed for extreme brush requirements
- can be used on commercially available angle grinders
- for deburring, descaling, derusting, surface cleaning, roughening and paint stripping
- made of high-quality steel wire with high tensile strength
- "Stainless" quality is used where residues from normal steel wire would impair surfaces such as stainless steel, aluminium and other non-ferrous metals.



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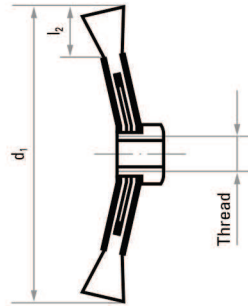
Product number	Description	Material	Type	d ₁ mm	b mm	H mm	l ₂ mm	Wire Ø mm	n _{max} rpm	Pack contains
A350211512135	BRSZ 11512	steel	knotted	115	14	22.23	20	0.5	12,500	1
A350312514135	BRSZ 12514	steel	knotted	125	14	22.23	20	0.5	12,500	1
A350317814135	BRSZ 17814	steel	knotted	178	14	22.23	32	0.5	9,000	1
Recommended for: ● Steel ● Cast material										
A350211512234	BRVZ 11512	stainless	knotted	115	14	22.23	20	0.35	12,500	1
A350312514235	BRVZ 12514	stainless	knotted	125	14	22.23	20	0.5	12,500	1
Recommended for: ● Inox/Steel ● Steel ● Titanium										

BK conical brush



crimped

knotted



- with practical M14 thread
- for deburring, descaling, derusting, surface cleaning, roughening and paint stripping
- made of high-quality steel wire with high tensile strength
- "Stainless" quality is used where residues from normal steel wire would impair surfaces such as stainless steel, aluminium and other non-ferrous metals.

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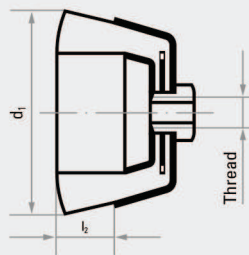
Product number	Description	Material	Type	d ₁ mm	b mm	l ₂ mm	Thread	Wire Ø mm	n _{max} rpm	Pack contains
A350610012114	BKSW 10012	steel	crimped	100	10	20	M14	0.35	12,500	1
A350610013135	BKSZ 10013	steel	knotted	100	13	20	M14	0.5	12,500	1
Recommended for: ● Steel ● Cast material										
A350610012213	BKVV 10012	stainless	crimped	100	10	20	M14	0.3	12,500	1
A350610013235	BKVZ 10013	stainless	knotted	100	13	20	M14	0.5	12,500	1
Recommended for: ● Inox/Steel ● Steel ● Titanium										

BTG cup brush



crimped

knotted



- with practical M14 thread
- for deburring, descaling, derusting, surface cleaning, roughening and paint stripping
- made of high-quality steel wire with high tensile strength
- "Stainless" quality is used where residues from normal steel wire would impair surfaces such as stainless steel, aluminium and other non-ferrous metals.

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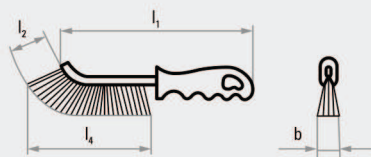
Product number	Description	Material	Type	d ₁ mm	l ₂ mm	Thread	Wire Ø mm	n _{max} rpm	Pack contains	
A350406020114	BTSW 06020 G	steel	crimped	60	20	M14	0.35	12,000	1	
A350406520135	BTSZ 06520 G	steel	knotted	65	20	M14	0.5	12,500	1	
A350408020135	BTSZ 08020 G	steel	knotted	80	20	M14	0.5	9,000	1	
A350408025114	BTSW 08025 G	steel	crimped	80	25	M14	0.35	8,500	1	
A350410030114	BTSW 10030 G	steel	crimped	100	30	M14	0.35	9,000	1	
Recommended for: ● Steel ● Cast material										
A350406021213	BTWV 06021 G	stainless	crimped	60	20	M14	0.3	12,000	1	
A350406520234	BTVZ 06520 G	stainless	knotted	65	20	M14	0.35	12,500	1	
Recommended for: ● Inox/Steel ● Steel ● Titanium										

FLEXIBLE HAND BRUSH FOR UNIVERSAL USE

FOLLOWS EVERY CONTOUR FROM COOKING GRATES TO COMPLEX WORKPIECES



- for universal use
- follow the contours of every workpiece thanks to their flexibility
- perform a wide variety of manual jobs such as deburring, descaling, derusting, surface cleaning, roughening and paint stripping
- made of high-quality steel wire with high tensile strength
- "Stainless" quality is used where residues from normal steel wire would impair surfaces such as stainless steel, aluminium and other non-ferrous metals.



BHU, hand brushes for universal use



steel



stainless

★★☆

Product number	Description	Material	b mm	l ₂ mm	l ₁ mm	l ₄ mm	Wire Ø mm	Pack contains
A350726525113	BHUS 26528	steel	15	28	265	130	0.35	1
Recommended for: ● Steel ● Cast material								
A350726525213	BHUV 26525	stainless	15	28	265	130	0.3	1
Recommended for: ● Inox/Steel ● Steel ● Titanium								